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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/784,865	02/15/2001	Jennie Ching	1914P/STL920000089US1	4574

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04/22/2003

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EXAMINER

FLEURANTIN, JEAN B

ART UNIT	PAPER NUMBER
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2172

DATE MAILED: 04/22/2003

3

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/784,865

Applicant(s)

CHING ET AL.

Examiner

Jean B Fleurant

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

1. Claims 1-15 are presented for examination.

Information Disclosure Statement

2. The Information Disclosure Statement submitted PTO-1449 on 02/16/2001 have been considered.

Drawings

3. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

Claim Rejections - 35 U.S.C. § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Bell (US Pat. No. 5,758,150) ("Bell").

As per claims 1 and 10, Bell teaches a method of synchronizing files between a central site and a plurality of remote sites (thus, a database synchronization system indicated generally at 10, a plurality of remote database system systems 12 is connected via communications line 14 to a central database stored on a central; which is equivalent to synchronizing files between a central site and a

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plurality of remote sites)(see col. 3, lines 15-19) as claimed comprises the steps of (a) providing a list of files to the plurality of remote sites by the central site, prior to a callback time of the remote sites (thus, each remote computer 18 is able to create and maintain a user configurable number of audit trail file 24 store on the remote data storage devices 15; which is equivalent to providing a list of files to the plurality of remote sites by the central site, prior to a callback time of the remote sites)(see col. 3, lines 48-51);

(b) reporting which of the files are missing by each of the plurality of remote sites to the central site (thus, The audit trail files 24 of each remote computer 18 provide a record of the database transactions for each of the databases stored on the data storage devices 15, remote computers 18 create the audit trail files 24 in order to maintain the integrity of the databases of the remote computers, if a database on a remote computer 18 is corrupted during a database transaction the remote computer 18 can access the audit trail files 24 to roll the database back to a stable point free of corruption; which is readable as reporting which of the files are missing by each of the plurality of remote sites to the central site)(see col. 3, lines 55-63); and

© determining within the central site which of the files needs to be sent to each of the plurality of remote sites (thus, the database synchronization system allow the migrator application to continue processing the audit trail files of the remote computers while the information contained in the renamed database of change is transferred to the central computer; which is readable as determining within the central site which of the files needs to be sent to each of the plurality of remote sites)(see col. 2, lines 58-63).

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As per claims 2 and 11, Bell teaches the method as claimed in which the providing step (a) utilizes a file system synchronization (FSS) helper application (thus, a database synchronization system capable of efficiently synchronizing a central database with one or more remote databases during periods of heavy transaction activity on the remote databases and on the central database; which is readable as utilizes a file system synchronization (FSS) helper application)(see col. 2, lines 7-10).

As per claims 3 and 12, Bell teaches the method as claimed in which the reporting step (b) utilizes a file system synchronization remote site operation mechanism (thus, a database synchronization system capable of efficiently synchronizing a central database with one or more remote databases during periods of heavy transaction activity on the remote databases and on the central database; which is readable as utilizes a file system synchronization remote site operation mechanism)(see col. 2, lines 7-10).

As per claims 4 and 13, Bell teaches the method as claimed in which the determining step © utilizes an automated central site operation mechanism (thus, a database synchronization system capable of efficiently synchronizing a central database with one or more remote databases during periods of heavy transaction activity on the remote databases and on the central database; which is readable as utilizes an automated central site operation mechanism)(see col. 2, lines 7-10).

As per claims 5, 8 and 14, Bell teaches the method as claimed wherein the list of files comprises a loadlist (see col. 6, lines 39-41).

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As per claims 6 and 15, Bell teaches the method as claimed wherein each of the files in the loadlist are date and time stamped (thus, the fields of transaction table 36 include the transaction identification number, start time, end time and completion code for each database transaction made to the databases associated with remote computers during the time period covered by the audit trail files 24 processed by migrator application 26; which is equivalent to wherein each of the files in the loadlist are date and time stamped)(see col. 5, lines 8-19).

As per claim 7, Bell teaches a system for synchronizing files as claimed comprises a central site, the central site including a file system synchronization (FSS) helper application and an automated central site operations (ACSO) mechanism for transmitting the list of files (thus, a database synchronization system capable of efficiently synchronizing a central database with one or more remote databases during periods of heavy transaction activity on the remote databases and on the central database; which is equivalent to a central site, the central site including a file system synchronization (FSS) helper application and an automated central site operations (ACSO) mechanism for transmitting the list of files)(see col. 2, lines 7-10). Further, in column 4, lines 25 through 28, Bell teaches to maintain the synchronization of the central database in central computer 16, database of change 28 of each of remote computers 18 must be transmitted periodically to central computer 16; and

at least one remote site, the at least one remote site including a file system synchronization remote operating mechanism (FSS RSO)(thus, a database synchronization system capable of efficiently synchronizing a central database with one or more remote databases during periods of

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heavy transaction activity on the remote databases and on the central database; which is readable as at least one remote site, the at least one remote site including a file system synchronization remote operating mechanism (FSS RSO))(see col. 2, lines 7-10), wherein the FSS RSO mechanism creates a group of files it will need based upon the transmitted files (thus, the database synchronization system allow the migrator application to continue processing the audit trail files of the remote computers while the information contained in the renamed database of change is transferred to the central computer; which is readable as wherein the FSS RSO mechanism creates a group of files it will need based upon the transmitted files)(see col. 2, lines 58-63).

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Alonso US Pat. No. 6,061,683 relates to a method for regulating access of computers to data of a central computer.

Conclusion

6. Any inquiry concerning this communication from examiner should be directed to Jean Bolte Fleurantin at (703) 308-6718. The examiner can normally be reached on Monday through Friday from 7:30 A.M. to 6:00 P.M.

If any attempt to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Mrs. KIM VU can be reached at (703) 305-8449. The FAX phone numbers for the Group 2100 Customer Service Center are: *After Final* (703) 746-7238, *Official* (703) 746-7239, and *Non-Official* (703) 746-7240. NOTE: Documents transmitted by facsimile will be entered as official documents on the file wrapper unless clearly marked "*DRAFT*".

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group 2100 Customer Service Center receptionist whose telephone numbers are (703) 306-5631, (703) 306-5632, (703) 306-5633.



Jean Bolte Fleurantin

April 15, 2003

JBF/



JEAN M. CORRIELUS
PRIMARY EXAMINER